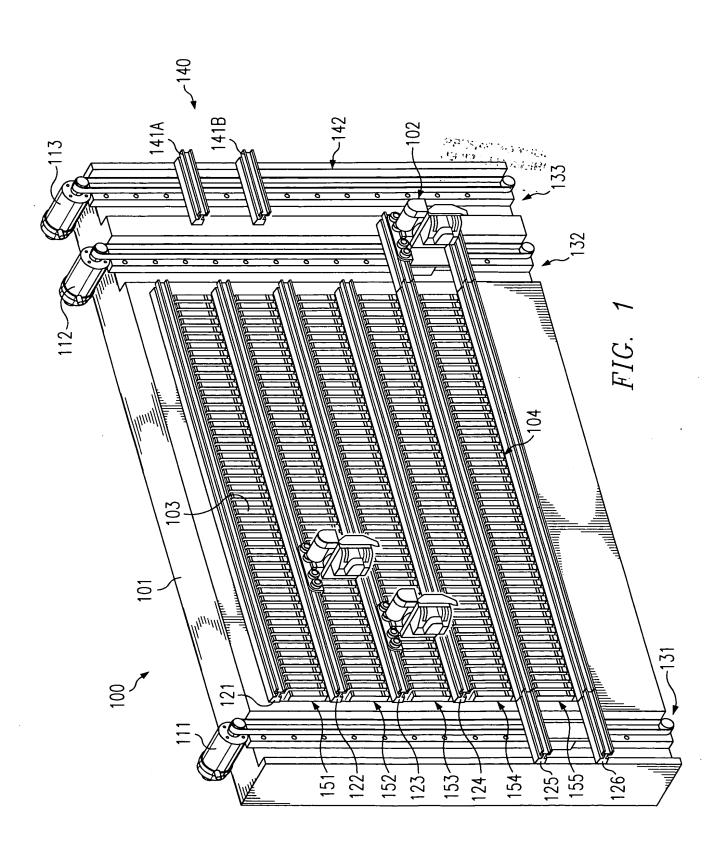2001-062-TAP
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FIG. 1

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FIG. 2A

FIG. 2B

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FIG. 2C

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FIG. 2D

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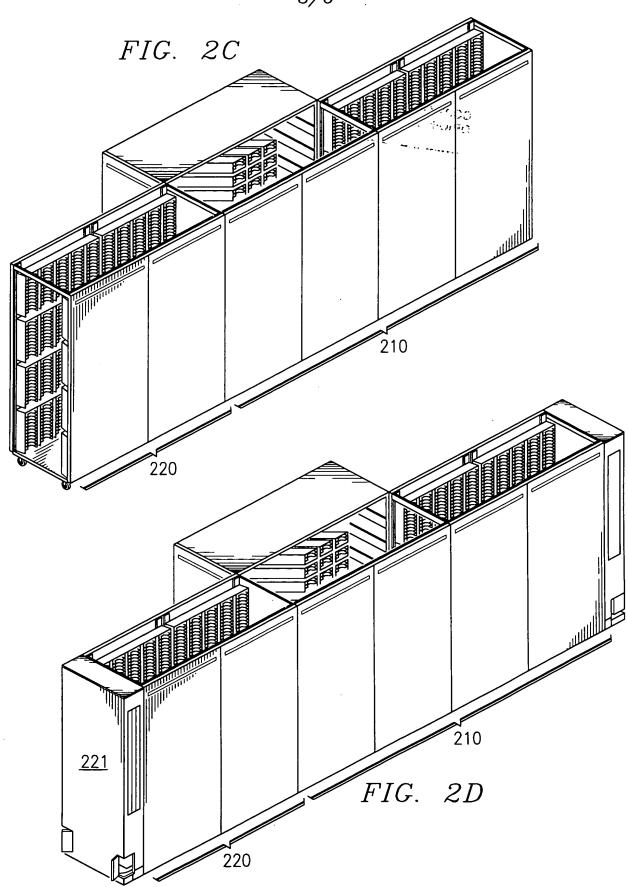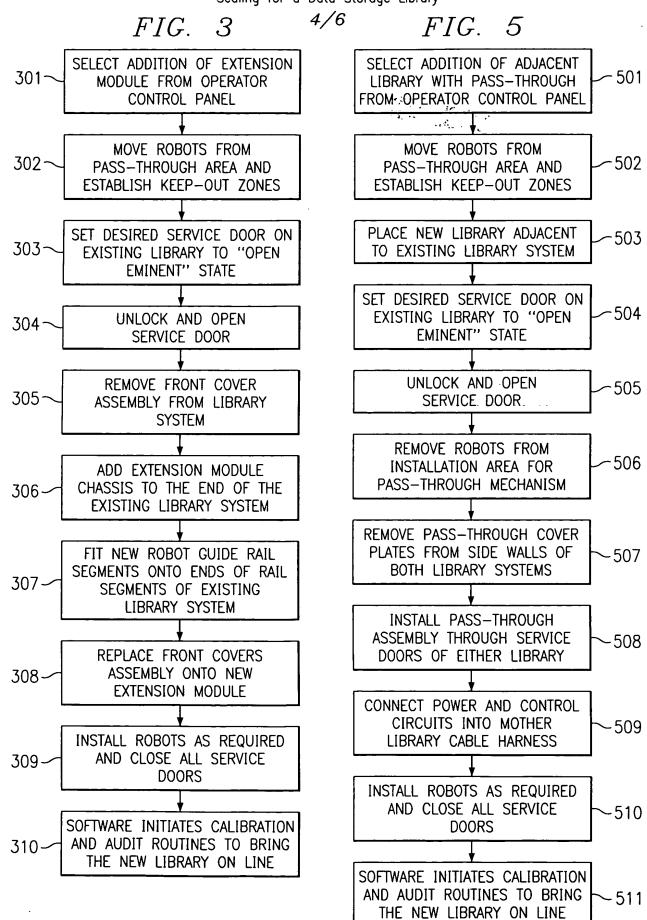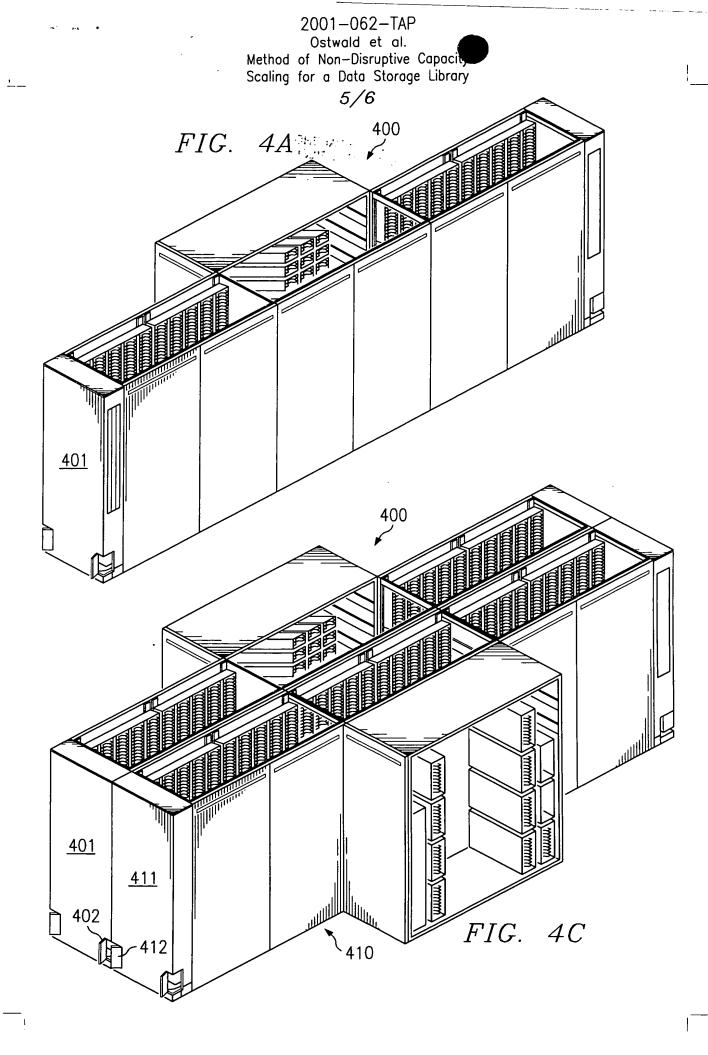Method of Non-Disruptive Capac
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FIG. 3

301 — SELECT ADDITION OF EXTENSION MODULE FROM OPERATOR CONTROL PANEL

302 — MOVE ROBOTS FROM PASS-THROUGH AREA AND ESTABLISH KEEP-OUT ZONES

303 — SET DESIRED SERVICE DOOR ON EXISTING LIBRARY TO "OPEN EMINENT" STATE

304 — UNLOCK AND OPEN SERVICE DOOR

305 — REMOVE FRONT COVER ASSEMBLY FROM LIBRARY SYSTEM

306 — ADD EXTENSION MODULE CHASSIS TO THE END OF THE EXISTING LIBRARY SYSTEM

307 — FIT NEW ROBOT GUIDE RAIL SEGMENTS ONTO ENDS OF RAIL SEGMENTS OF EXISTING LIBRARY SYSTEM

308 — REPLACE FRONT COVERS ASSEMBLY ONTO NEW EXTENSION MODULE

309 — INSTALL ROBOTS AS REQUIRED AND CLOSE ALL SERVICE DOORS

310 — SOFTWARE INITIATES CALIBRATION AND AUDIT ROUTINES TO BRING THE NEW LIBRARY ON LINE

FIG. 5

501 — SELECT ADDITION OF ADJACENT LIBRARY WITH PASS-THROUGH FROM OPERATOR CONTROL PANEL

502 — MOVE ROBOTS FROM PASS-THROUGH AREA AND ESTABLISH KEEP-OUT ZONES

503 — PLACE NEW LIBRARY ADJACENT TO EXISTING LIBRARY SYSTEM

504 — SET DESIRED SERVICE DOOR ON EXISTING LIBRARY TO "OPEN EMINENT" STATE

505 — UNLOCK AND OPEN SERVICE DOOR

506 — REMOVE ROBOTS FROM INSTALLATION AREA FOR PASS-THROUGH MECHANISM

507 — REMOVE PASS-THROUGH COVER PLATES FROM SIDE WALLS OF BOTH LIBRARY SYSTEMS

508 — INSTALL PASS-THROUGH ASSEMBLY THROUGH SERVICE DOORS OF EITHER LIBRARY

509 — CONNECT POWER AND CONTROL CIRCUITS INTO MOTHER LIBRARY CABLE HARNESS

510 — INSTALL ROBOTS AS REQUIRED AND CLOSE ALL SERVICE DOORS

511 — SOFTWARE INITIATES CALIBRATION AND AUDIT ROUTINES TO BRING THE NEW LIBRARY ON LINE

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FIG. 4A

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FIG. 4C

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FIG. 4B

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